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sub-areas for which it is anticipated that additional permits will be sought;

(d) The location of all buildings in and within 1000 feet of the proposed permit area, with identification of the current use of the buildings;

(e) The location of surface and sub-surface man-made features within, passing through, or passing over the proposed permit area, including, but not limited to, major electric transmission lines, pipelines, and agricultural drainage tile fields;

(f) The location and boundaries of any proposed reference areas for determining the success of revegetation;

(g) The locations of water supply intakes for current users of surface waters flowing into, out of, and within a hydrologic area defined by the regulatory authority, and those surface waters which will receive discharges from affected areas in the proposed permit area;

(h) Each public road located in or within 100 feet of the proposed permit area;

(i) The boundaries of any public park and locations of any cultural or historical resources listed or eligible for listing in the National Register of Historic Places and known archeological sites within the permit and adjacent areas.

(j) Each cemetery that is located in or within 100 feet of the proposed permit area.

(k) Any land within the proposed permit area which is within the boundaries of any units of the National System of Trails or the Wild and Scenic Rivers System, including study rivers designated under section 5(a) of the Wild and Scenic Rivers Act; and

(l) Other relevant information required by the regulatory authority.

[44 FR 15363, Mar. 13, 1979; 44 FR 49685, Aug. 24, 1979, as amended at 45 FR 51550, Aug. 4, 1980; 48 FR 14822, Apr. 5, 1983; 52 FR 4263, Feb. 10, 1987]

§ 783.25 Cross sections, maps, and plans.

(a) The application shall include cross sections, maps, and plans showing—

(1) Elevations and locations of test borings and core samplings;

(2) Elevations and locations of monitoring stations used to gather data on

water quality and quantity, fish and wildlife, and air quality, if required, in preparation of the application.

(3) Nature, depth, and thickness of the coal seams to be mined, any coal or rider seams above the seam to be mined, each stratum of the overburden, and the stratum immediately below the lowest coal seam to be mined;

(4) All coal crop lines and the strike and dip of the coal to be mined within the proposed permit area;

(5) Location and extent of known workings of active, inactive, or abandoned underground mines, including mine openings to the surface within the proposed permit and adjacent areas;

(6) Location and extent of sub-surface water, if encountered, within the proposed permit or adjacent areas, including, but not limited to areal and vertical distribution of aquifers, and portrayal of seasonal differences of head in different aquifers on cross-sections and contour maps;

(7) Location of surface water bodies such as streams, lakes, ponds, springs, constructed or natural drains, and irrigation ditches within the proposed permit and adjacent areas;

(8) Location and extent of existing or previously surface-mined areas within the proposed permit area;

(9) Location and dimensions of existing areas of spoil, waste, coal development waste, and non-coal waste disposal, dams, embankments, other impoundments, and water treatment and air pollution control facilities within the proposed permit area;

(10) Location, and depth if available, of gas and oil wells within the proposed permit area and water wells in the permit area and adjacent areas;

(b) Cross-sections, maps and plans included in a permit application as required by this section shall be prepared by, or under the direction of, and certified by a qualified, registered, professional engineer, a professional geologist, or in any State which authorizes land surveyors to prepare and certify such cross sections, maps and plans, a qualified, registered, professional, land surveyor, with assistance from experts

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in related fields such as landscape architecture, and shall be updated as required by the regulatory authority.

[44 FR 15363, Mar. 13, 1979, as amended at 45 FR 51550, Aug. 4, 1980; 50 FR 16199, Apr. 24, 1985; 59 FR 27937, May 27, 1994]

EDITORIAL NOTE: For a document suspending § 783.25(a)(3), (a)(8) and (a)(9) (previously § 783.25(c), (h), and (i)), see 45 FR 51548, Aug. 4, 1980.

PART 784—UNDERGROUND MINING PERMIT APPLICATIONS—MINIMUM REQUIREMENTS FOR RECLAMATION AND OPERATION PLAN

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AUTHORITY: 30 U.S.C. 1201 *et seq.* and 16 U.S.C. 470 *et seq.*

SOURCE: 44 FR 15366, Mar. 13, 1979, unless otherwise noted.

§ 784.1 Scope.

This part provides the minimum requirements for the Secretary's approval of regulatory program provisions for the mining operations and reclamation plans portions of applications for permits for underground min-

ing activities, except to the extent that different requirements for those plans are established under 30 CFR part 785.

§ 784.2 Objectives.

The objectives of this part are to ensure that the regulatory authority is provided with comprehensive and reliable information on proposed underground mining activities, and to ensure that those activities are allowed to be conducted only in compliance with the Act, this chapter, and the regulatory program.

§ 784.4 Responsibilities.

(a) It is the responsibility of the applicant to provide to the regulatory authority all of the information required by this part, except where specifically exempted in this part.

(b) It is the responsibility of State and Federal governmental agencies to provide information to the regulatory authority where specifically required in this part.

§ 784.10 Information collection.

(a) The collections of information contained in Part 784 have been approved by Office of Management and Budget under 44 U.S.C. 3501 *et seq.* and assigned clearance number 1029-0039. The information will be used to meet the requirements of 30 U.S.C. 1211(b), 1251, 1257, 1258, 1266, and 1309a. The obligation to respond is required to obtain a benefit.

(b) Public reporting burden for this information is estimated to average 513 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

[60 FR 16748, Mar. 31, 1995]

§ 784.11 Operation plan: General requirements.

Each application shall contain a description of the mining operations proposed to be conducted during the life of the mine within the proposed permit area, including, at a minimum, the following: